Claims

1. A telecommunication apparatus comprising:
- a plurality of traffic handling units, and
- at least one power supply unit for powering the plurality of traffic handling units,
characterised in that the telecommunication apparatus further comprises:
- control means for determining a power budget based on a power criterion, the control means for activating an amount of traffic handling units of the plurality of traffic handling units having a total power consumption equal to or less than the budget, and for activating an amount of power supply units of the at least one supply units matching the total power consumption of the amount of activated traffic handling units.

2. The telecommuncation apparatus according to claim 1, wherein the power criterion comprises one or more of a group comprising an amount of solar cell generated power, a charging condition of a battery for supplying power to the apparatus, a value of a mains voltage supplied to the apparatus, an amount of fuel in a fuel tank of a generator for generating power for feeding the apparatus, and a failure of a power supply unit.

3. The telecommunication apparatus according to claim 1 or 2, wherein the power criterion comprises a forecast of one or more of a group comprising an amount of solar cell generated power, a charging condition of a battery for supplying power to the apparatus, a value of a mains voltage supplied to the apparatus, an amount of fuel in a fuel tank of a generator for generating power for feeding the apparatus, and a traffic load of the apparatus.

4. The telecommunication apparatus according to any of the preceding claims, wherein the control means are adapted for transferring active traffic from a traffic handling unit which is to be de-activated, to one or more of the activated traffic handling units, before de-activating the to be de-activated traffic handling unit.

5. The telecommunication apparatus according to any of the preceding

claims, wherein a maximum power output of a subgroup of the plurality of power supply units matches a maximum power consumption of a subgroup of the plurality of traffic handling units.

6. The telecommunication apparatus according to any of the preceding claims, wherein the control means comprise a
- power status monitor for determining the power budget based on the power criterion,
- a regulator for generating a regulator signal from an amount of active traffic,
- and a decider for deciding on an activation of one or more of the plurality of power supply units based on the power budget as determined by the power status monitor, the regulator signal and an actual power consumption.

7. The telecommunication apparatus according to claim 6, wherein the decider comprises a decision mechanism for taking acount of the power budget as a limit value, the regulator signal as a desired value, and the actual used power as a factual value, the decision mechanism being adapted for activating as many power supply units and traffic handling units as required to match the regulator signal, the decision mechanism however being adapted to activate not more power supply units and traffic handling units than allowed by the power budget.

8. The telecommunication apparatus according to any of the preceding claims, wherein the control means comprise a stay alive mechanism for
- when the power budget is under a first, predetermined level, only activating power supplies and traffic handling units to process emergency calls,
- when the power budget is under a second, predetermined level which is lower than the first level, not activating any of the traffic handling units and only keeping the control means and further monitoring hardware active, and
- when the power budget is under a third, predetermined level which is lower than the second level, shutting down the telecommunication apparatus.